

Included with this amendment is an appendix containing Polyurethane Handbook, 2nd Edition, Hansen Publishing, page 428.

Please amend the Application as follows.

IN THE CLAIMS:

Please cancel Claims 2 and 4 without prejudice.

Please replace Claims 1 and 6 with the following.

1. (Once Amended, Clean) A continuous process for the preparation of a thermoplastic polyurethane elastomer at a temperature of 130 to 250°C consisting essentially of reacting:

- a¹
- A) at least one polyether diol having a number average molecular weight (Mn) of 450 to 10,000 and, on average, 1.8 to 2.2 Zerewitinoff active hydrogen atoms; with
 - B) at least one organic diisocyanate; and
 - C) 1,4-di-(2,2'-hydroxyethyl)-hydroquinone,
in the presence of 10 to 1000 ppm in relation to A) of tin dioctoate as a catalyst

with the proviso that the NCO/OH ratio of the reactants A), B) and C) is 0.85 to 1.2, said thermoplastic polyurethane having a glass transition temperature (Tg) below 50°C, and said process being performed in an extruder.

a²

6. (Once Amended, Clean) The polyurethane elastomer of Claim 5 further containing at least one auxiliary substance.